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(71)Applicant : KANKYO MENEKI GIJUTSU KENKYUSHO:KK

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(72)Inventor : KAWADA MICHIVASU  
MORIMUNE KOSUKE  
TAKEWAKI SHIYUNICHI  
MIYAKE SHIRO  
YAMAGUCHI MASAKI

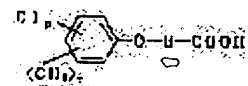
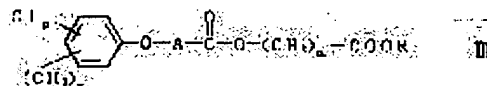
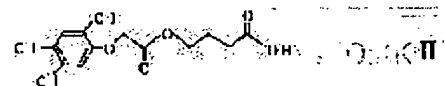
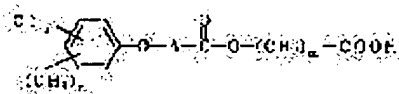
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(54) HAPTEN COMPOUND OF PHENOXYACETIC ACID, ANTIBODY AND ASSAY THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound to become a hapten compound constituting an antigen for producing a new antibody specifically reacting with phenoxyacetic acids.

SOLUTION: This hapten compound of phenoxyacetic acids is a compound of formula I [A is a 1-3C alkylene which may be branched; (m) is 1-10; (n), (p) is 0-3], e.g. 2,4,5-trichlorophenoxy derivative of formula 11. The compound of formula I is obtained by removing a carboxyl protecting group from an ester compound of formula III (R is the carboxyl protecting group). By bonding a highly polymeric compound with the compound of the formula III, an antigen (a new bonded material of the compound of the formula I and the highly polymeric compound) is produced, and by using the antigen, an antibody exhibiting a reactivity to a compound of formula IV (B is methylene, ethylidene and trimethylene) can be produced.



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